

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



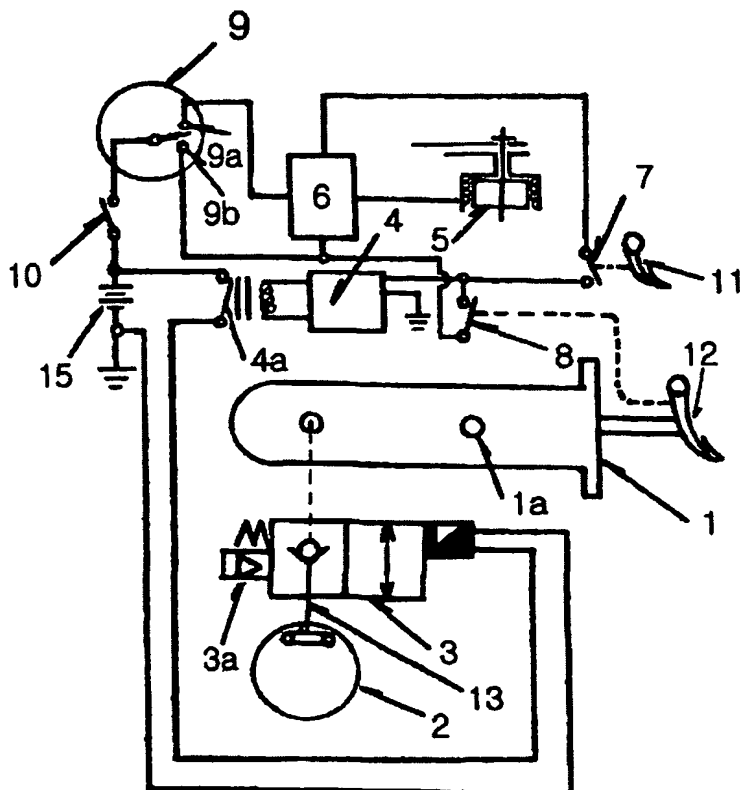
(43) International Publication Date
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number
WO 2004/011312 A1

- (51) International Patent Classification⁷: **B60T 7/12**
- (21) International Application Number:
PCT/KR2003/001508
- (22) International Filing Date: 28 July 2003 (28.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20-2002-0023239 29 July 2002 (29.07.2002) KR
- (71) Applicant and
(72) Inventor: JEONG, Bo Moon [KR/KR]; #738 Yeonhwa 1-ri, Jicheon-myeon, Chilgok-gun, Gyeongsangbuk-do 718-821 (KR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (74) Agent: CHO, Sang Kyun; #402 Daimyung Building, 746-22 Yeoksam-dong, Kangnam-ku, Seoul 135-925 (KR).
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AUTOMATIC CONTROL SYSTEM FOR PARKING BRAKE OF AUTOMOBILE



(57) Abstract: An automatic control system for parking brake of an automobile according to the invention has an oil pipe (13) connecting a brake master cylinder (1) with a wheel cylinder (2). The brake system comprises a selection switch (9) switching to AUTO mode or SEMI/AUTO mode for a braking mode, a solenoid check valve (3) installed between an oil outlet (1a) of the brake master cylinder (1) and the oil pipe (13), a relay (4) controlled by a stop sensing sensor (6) by way of ON/OFF, and a stop sensing sensor circuit. Upon stepping on a brake pedal, the main brake is operated during traveling, whereas the parking brake is operated by the main brake without operating the parking brake in the status of stopping by controlling the solenoid check valve by way of free flow or control flow with the selection switch.